

This listing of claims will replace all prior versions, and listings, of claims in our amendments or responses to Office actions.

Amendments to the Claims:

Claims 1-20 (canceled)

Claim 21 (currently amended) An isolated or purified polypeptide having at least 90% sequence identity to an extracellular domain of SEQ ID NO: 12 or 14, wherein the polypeptide associates with a DAP12 polypeptide having the amino acid sequence of SEQ ID NO: 2 or 6.

Claim 22 (currently amended) The isolated or purified polypeptide of claim 21, wherein the polypeptide has at least 95% sequence identity to the extracellular domain of SEQ ID NO: 12 or 14, wherein the polypeptide associates with a DAP12 polypeptide having the amino acid sequence of SEQ ID NO: 2 or 6.

Claim 23 (canceled)

Claim 24 (previously presented) The isolated and purified polypeptide of claim 21 fused to a heterologous protein.

Claim 25 (previously presented) The isolated and purified polypeptide of claim 24, wherein the heterologous protein is an immunoglobulin peptide.

Claim 26 (previously presented) The isolated and purified polypeptide of claim 24, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 27 (previously presented) A composition comprising the isolated and purified polypeptide of claim 21 and a pharmaceutically acceptable carrier.

Claim 28 (currently amended) An isolated or purified polypeptide having at least 90% sequence identity to SEQ ID NO: 12 or 14, wherein the polypeptide associates with a DAP12 polypeptide having the amino acid sequence of SEQ ID NO: 2 or 6.

Claim 29 (currently amended) The isolated or purified polypeptide of claim 28, wherein the polypeptide has at least 95% sequence identity to SEQ ID NO: 12 or 14, wherein the polypeptide associates with a DAP12 polypeptide having the amino acid sequence of SEQ ID NO: 2 or 6.

Claim 30 (canceled)

Claim 31 (previously presented) The isolated and purified polypeptide of claim 28 fused to a heterologous protein.

Claim 32 (previously presented) The isolated and purified polypeptide of claim 31, wherein the heterologous protein is an immunoglobulin peptide.

Claim 33 (previously presented) The isolated and purified polypeptide of Claim 31, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 34 (previously presented) A composition comprising the isolated and purified polypeptide of claim 28 and a pharmaceutically acceptable carrier.

Claim 35 (previously presented) An isolated or purified polypeptide comprising an extracellular domain of the amino acid sequence of SEQ ID NO: 12 or 14.

Claim 36 (previously presented) The isolated and purified polypeptide of claim 35 fused to a heterologous protein.

Claim 37 (previously presented) The isolated and purified polypeptide of claim 36, wherein the heterologous protein is an immunoglobulin peptide.

Claim 38 (previously presented) The isolated and purified polypeptide of Claim 36, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 39 (previously presented) A composition comprising the isolated and purified polypeptide of claim 35 and a pharmaceutically acceptable carrier.

Claim 40 (previously presented) An isolated or purified polypeptide comprising the amino acid sequence of SEQ ID NO: 12 or 14.

Claim 41 (previously presented) The isolated and purified polypeptide of claim 40 fused to a heterologous protein.

Claim 42 (previously presented) The isolated and purified polypeptide of claim 41, wherein the heterologous protein is an immunoglobulin peptide.

Claim 43 (previously presented) The isolated and purified polypeptide of Claim 41, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 44 (previously presented) A composition comprising the isolated and purified polypeptide of claim 40 and a pharmaceutically acceptable carrier.